

## § 151.56-1

with the cargo liquid or vapor. (Equivalent to § 151.58-1(a).)

(h) Alkaline or acidic materials, such as caustic soda or sulfuric acid, should not be allowed to contaminate this cargo.

(i) For concentrations of 98 percent or greater, aluminum or stainless steel shall be used as materials of construction. For concentrations of less than 98 percent, 304L or 316 stainless steel shall be used as materials of construction.

(j) Zinc, alloys that have more than 10 percent zinc by weight, and aluminum may not be used as materials of construction for tanks, pipelines, valves, fittings, and other items of equipment that may come in contact with cargo liquid or vapor. (Equivalent to § 151.56-1(a) and (c).)

[CGFR 70-10, 35 FR 3714, Feb. 25, 1970, as amended by CGD 73-275R, 41 FR 3087, Jan. 21, 1976; CGD 75-223, 42 FR 8378, Feb. 10, 1977; CGD 88-100, 54 FR 40041, Sept. 29, 1989]

### Subpart 151.56—Prohibited Materials of Construction

#### § 151.56-1 Prohibited materials.

When one of the following paragraphs of this section is referenced in table 151.05, the materials listed in that paragraph may not be used in components that contact the cargo or its vapor:

- (a) Aluminum or aluminum alloys.
- (b) Copper or copper alloys.
- (c) Zinc, galvanized steel, or alloys having more than 10 percent zinc by weight.
- (d) Magnesium.
- (e) Lead.
- (f) Silver or silver alloys.
- (g) Mercury.

[CGD 88-100, 54 FR 40041, Sept. 29, 1989]

### Subpart 151.58—Required Materials of Construction

#### § 151.58-1 Required materials.

When one of the following paragraphs of this section is referenced in table 151.05, only those materials listed in that paragraph may be used in components that contact the cargo or its vapor:

## 46 CFR Ch. I (10-1-98 Edition)

(a) Aluminum, stainless steel, or steel covered with a protective lining or coating. (See § 151.15-3(f)(2).)

(b)-(c) [Reserved]

(d) Solid austenitic stainless steel.

(e) Stainless steel or steel covered with a suitable protective lining or coating. (See § 151.15-3(f)(2).)

[CGD 88-100, 54 FR 40041, Sept. 29, 1989]

## PART 152 [RESERVED]

## PART 153—SHIPS CARRYING BULK LIQUID, LIQUEFIED GAS, OR COMPRESSED GAS HAZARDOUS MATERIALS

### Subpart A—General

#### Sec.

- 153.0 Availability of materials.
- 153.1 Applicability.
- 153.2 Definitions and acronyms.
- 153.3 Right of appeal.
- 153.4 Incorporation by reference.
- 153.7 Ships built before December 27, 1977 and non-self-propelled ships built before July 1, 1983: Application.
- 153.8 Procedures for requesting an endorsed Certificate of Inspection.
- 153.9 Foreign flag vessel endorsement application.
- 153.10 Procedures for requesting alternatives and waivers; termination of waivers.
- 153.12 IMO Certificates for United States Ships.
- 153.15 Conditions under which the Coast Guard issues a Certificate of Inspection or Certificate of Compliance.
- 153.16 Requirements for foreign flag vessel permits.
- 153.30 Special area endorsement.
- 153.40 Determination of materials that are hazardous.

### Subpart B—Design and Equipment

#### GENERAL VESSEL REQUIREMENTS

- 153.190 Stability requirements.
- 153.201 Openings to accommodation, service or control spaces.
- 153.208 Ballast equipment.
- 153.209 Bilge pumping systems.
- 153.214 Personnel emergency and safety equipment.
- 153.215 Safety equipment lockers.
- 153.216 Shower and eyewash fountains.
- 153.217 Access to enclosed spaces and dedicated ballast tanks.
- 153.219 Access to double bottom tanks serving as dedicated ballast tanks.